L Number	Hits	Search Text	DB	Time stamp
-	369	429/217.ccls.	USPAT	2002/06/03 15:16
-	4	429/217.ccls. and wt%	USPAT	2002/06/03 15:17
-	0	429/217.ccls. and 2-15	USPAT	2002/06/03 15:18
-	194	429/217.ccls. and (binder same (percent or amount or weight))	USPAT	2002/06/03 15:19
-	127	battery and (aromatic same diene)	USPAT; EPO; JPO	2003/07/13 12:50
-	10	battery and (aromatic same diene same binder)	USPAT; EPO; JPO	2003/07/13 12:55
-	3	"932212"	DERWENT	2003/07/13 12:57
-	0	Ysujimoto.in.	DERWENT	2003/07/13 12:57
-	414	tsujimoto.in.	DERWENT	2003/07/13 13:18
-	0	tsujimoto.in. and (aromatic adj vinyl adj conjugate adj diene adj polymer)	DERWENT	2003/07/13 12:57
-	0	tsujimoto.in. and (aromatic adj vinyl adj conjugate)	DERWENT	2003/07/13 12:58
-	1	tsujimoto.in. and (aromatic adj vinyl)	DERWENT	2003/07/13 12:58
-	3	"9908335"	DERWENT	2003/07/13 13:02
-	1	"06215761"	DERWENT	2003/07/13 13:09
-	0	429/$7.ccls.	DERWENT	2003/07/13 13:09
-	25179	429/$7.ccls.	USPAT	2003/07/13 13:09
-	9	429/$7.ccls. and ozaki.in.	USPAT	2003/07/13 13:11
-	4	429/$7.ccls. and ozaki.in.	US-PGPUB	2003/07/13 13:16
-	1	6355372.pn.	USPAT	2003/07/13 13:16
-	1	tsujimoto.in. and diene	US-PGPUB	2003/07/13 13:19
-	57	tsujimoto.in.	US-PGPUB	2003/07/13 13:19

PAT-NO: JP410241693A

DOCUMENT-IDENTIFIER: JP 10241693 A

TITLE: HYDROGEN-STORAGE ELECTRODE BINDER

PUBN-DATE: September 11, 1998

INVENTOR-INFORMATION:
NAME
ITO, NOBUYUKI
YASUDA, TADASHI
NORITAKE, YOSHIKA
TAKEUCHI, YASUMASA

ASSIGNEE-INFORMATION:
NAME COUNTRY
JSR CORP N/A

APPL-NO: JP09058503

APPL-DATE: February 26, 1997

INT-CL (IPC): H01M004/62, H01M004/24

ABSTRACT:

PROBLEM TO BE SOLVED: To lessen effects on electrode active material, maintain high conductivity, and enhance binding property with collecting material by forming a hydrogen-storage electrode binder of aromatic vinyl units, conjugate diene units, acrylic ester units, and compound units containing functional groups, and specifying the amount of the acrylic ester units.

SOLUTION: In order to constitute a copolymer, styrene as

an aromatic vinyl compound, 1,3-butadiene as conjugate diene, and methyl acrylate as acrylic ester are cited. As a weight, the aromatic vinyl units are set to 20 to 55% of the copolymer, the conjugate diene compound is set to 30 to 60%, the acrylic ester is 10 to 40%, and the compound containing function groups is set to 0.1 to 10%. By such a binder, a hydrogen-storage alloy electrode having a high binding property with collecting material can be obtained mainly in a nickel hydrogen secondary battery.

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PAT-NO: JP411025989A

DOCUMENT-IDENTIFIER: JP 11025989 A

TITLE: BATTERY ELECTRODE BINDER

PUBN-DATE: January 29, 1999

INVENTOR-INFORMATION:
NAME
NORITAKE, YOSHIKA
ITO, NOBUYUKI

ASSIGNEE-INFORMATION:
NAME COUNTRY
JSR CORP N/A

APPL-NO: JP09194899

APPL-DATE: July 4, 1997

INT-CL (IPC): H01M004/62, C08F002/00 , C08F212/08 , C08F279/02 , C08F220/10

ABSTRACT:

PROBLEM TO BE SOLVED: To provide a secondary battery electrode binder
excellent in a large capacity, discharge performance, charging and discharging
cycle characteristics and safety.

SOLUTION: A binder is composed of (a) aromatic vinyl units, (b) conjugate
diene units, (c) (metha)acrylic ester units and (d) ethylenically unsaturated
carboxylic acid units. The binder contains a copolymer (b) the conjugate diene
units ≤30 wt.% of the whole copolymer, and (c) 10 to 40 wt.% of the (metha)

acrylic ester units of the whole copolymer. Preferably, the binder contains
core shell structure particles in which cores are made of a (co)polymer with a
glass transition point of -50 to 50°C and shells are made of a (co)polymer
with glass transition point of 0 to 100°C.

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Inventor Name Search Result

Your Search was:

Last Name = TSUJIMOTO
First Name = HISASHI

Application#	Patent#	Status	Date Filed	Title	Inventor Name
09822926	Not Issued	061	03/30/2001	MATERIAL FOR POSITIVE ELECTRODE AND SECONDARY BATTERY	TSUJIMOTO, HISASHI
09284222	Not Issued	071	07/22/1999	NONAQUEOUS ELECTROLYTE SECONDARY BATTERY	TSUJIMOTO , HISASHI

Inventor Search Completed: No Records to Display.

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Inventor Name Search Result

Your Search was:

Last Name = YAMAHIRA
First Name = TAKAYUKI

Application#	Patent#	Status	Date Filed	Title	Inventor Name
10103582	Not Issued	030	03/20/2002	CARBONACEOUS PRECURSOR, CARBONACEOUS MATERIAL FOR NEGATIVE ELECTRODE AND NON-AQUEOUS SECONDARY BATTERY	YAMAHIRA, TAKAYUKI
09842485	Not Issued	041	04/25/2001	POSITIVE ELECTRODE AND NON-AQUEOUS ELECTROLYTE CELL	YAMAHIRA, TAKAYUKI
09341209	Not Issued	041	08/23/1999	SQUARE-SHAPE CLOSED BATTERY	YAMAHIRA , TAKAYUKI
09284222	Not Issued	071	07/22/1999	NONAQUEOUS ELECTROLYTE SECONDARY BATTERY	YAMAHIRA , TAKAYUKI
09269842	Not Issued	161	09/22/1999	CARBONACEOUS PRECURSOR, CARBONACEOUS ANODE MATERIAL, AND NONAQUEOUS RECHARGEABLE BATTERY	YAMAHIRA , TAKAYUKI
09196319	6355372	150	11/20/1998	NON-AQUEOUS ELECTROLYTE SECONDARY CELL	YAMAHIRA , TAKAYUKI
08978128	Not Issued	125	11/25/1997	NEGATIVE ELECTRODE CARBONACEOUS MATERIAL, METHOD OF PREPARING SAME AND NON-AQUEOUS ELECTROLYTE-TYPE SECONDARY CELL USING SAME	YAMAHIRA , TAKAYUKI
08911851	5709969	150	08/15/1997	NON-AQUEOUS ELECTROLYTE	YAMAHIRA , TAKAYUKI

				SECONDARY CELL	
08854847	6174625	150	05/12/1997	ANODE MATERIAL, METHOD FOR PRODUCING IT AND NONAQUEOUS ELECTROLYTE CELL EMPLOYING SUCH ANODE MATERIALS	YAMAHIRA , TAKAYUKI
08627408	Not Issued	161	04/04/1996	NEGATIVE ELECTRODE CARBONACEOUS MATERIAL, METHOD OF PREPARING SAME AND NON-AQUEOUS ELECTROLYTE-TYPE SECONDARY CELL USING SAME	YAMAHIRA , TAKAYUKI
08548520	Not Issued	166	10/26/1995	NON-AQUEOUS ELECTROLYTE SECONDARY CELL	YAMAHIRA , TAKAYUKI
08493464	5601950	150	06/22/1995	NON-AQUEOUS ELECTROLYTE SECONDARY CELL	YAMAHIRA , TAKAYUKI
07920925	5273842	150	07/28/1992	NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY	YAMAHIRA , TAKAYUKI
07502679	5053297	150	04/02/1990	NONAQUEOUS ELECTROLYTE SECONDARY BATTERY	YAMAHIRA , TAKAYUKI

Inventor Search Completed: No Records to Display.

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Inventor Name Search Result

Your Search was:

Last Name = YAMAMOTO
First Name = YOSHIKATSU

Application#	Patent#	Status	Date Filed	Title	Inventor Name
10296754	Not Issued	019	05/09/2003	NONAQUEOUS ELECTROLYTE CELL AND ITS MANUFACTURING METHOD, AND POSITIVE ELECTRODE ACTIVE MATERIAL AND ITS MANUFACTURING METHOD	YAMAMOTO, YOSHIKATSU
10204952	Not Issued	030	10/25/2002	POSITIVE ELECTRODE ACTIVE MATERIAL AND NONAQUEOUS ELECTROLYTE SECONDARY CELL	YAMAMOTO, YOSHIKATSU
09822926	Not Issued	061	03/30/2001	MATERIAL FOR POSITIVE ELECTRODE AND SECONDARY BATTERY	YAMAMOTO, YOSHIKATSU
09284222	Not Issued	071	07/22/1999	NONAQUEOUS ELECTROLYTE SECONDARY BATTERY	YAMAMOTO , YOSHIKATSU
09064619	6127065	150	04/23/1998	METHOD OF MANUFACTURING CATHODE ACTIVE MATERIAL AND NONACUEOUS ELECTROLYTE SECONDARY BATTERY	YAMAMOTO , YOSHIKATSU
08992459	6001507	150	12/17/1997	NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY	YAMAMOTO , YOSHIKATSU
08988950	6584687	150	12/11/1997	A METHOD OF MANUFACTURING AN INK-JET RECORDING HEAD USING A THERMALLY FUSIBLE FILM THAT DOES NOT CLOSE COMMUNICATION	YAMAMOTO , YOSHIKATSU

				HOLES	
08575869	5872583	150	12/20/1995	LAMINATED INK-JET RECORDING HEAD USING FUSIBLE FILMS HAVING WINDOWS SUPPLIED WITH ADHESIVE AND GAP MATERIAL	YAMAMOTO , YOSHIKATSU
08552520	5748210	150	11/02/1995	INK JET TYPE RECORDING UNIT WITH AN IMPROVED CARRIAGE STRUCTURE	YAMAMOTO , YOSHIKATSU
08510996	5748214	150	08/03/1995	INK JET RECORDING HEAD	YAMAMOTO , YOSHIKATSU
08327719	5474752	150	10/24/1994	METHOD OF PRODUCING ACTIVE CATHODE MATERIAL FOR LITHIUM SECONDARY BATTERY	YAMAMOTO , YOSHIKATSU
07962583	5427875	150	12/28/1992	NON-AQUEOUS ELECTROLYTE SECONDARY CELL	YAMAMOTO , YOSHIKATSU
07831346	Not Issued	161	02/05/1992	NONAQUEOUS ELECTROLYTE SECONDARY BATTERY	YAMAMOTO , YOSHIKATSU
07514223	5231420	150	04/25/1990	THERMAL PRINT HEAD	YAMAMOTO , YOSHIKATSU

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